

Notice of Allowability

Application No.

10/587,715

Examiner

Toan C. To

Applicant(s)

YASUI, YOSHIYUKI

Art Unit

3616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed on September 28, 2007.
2. ☒ The allowed claim(s) is/are 2-5.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Toan To
Patent Examiner
October 14, 2007

DETAILED ACTION

Allowable Subject Matter

1. Claims 2-5 are allowed.
2. The following is an examiner's statement of reasons for allowance:

With respect to independent claim 2, the prior art reference either alone or in combination fails to disclose, teach, or suggest a stabilizer control apparatus comprising: a stabilizer, an electric motor, a speed reducing mechanism; control means for controlling said electric motor; lateral acceleration calculating means for calculating a lateral acceleration on the basis of the results detected by said vehicle speed detection means and said steering angle detection means, and wherein said control means holds an output of said electric motor to perform a holding control, in the case where the turning state has come to be out of such a range that a rolling motion of a vehicle body can be actively controlled, and sets values of the acceleration obtained when said holding control starts and a normal efficiency and a reverse efficiency of said speed reducing mechanism, to provide such a value that the lateral acceleration obtained when said holding control starts, is multiplied by an inverse of a product of the normal efficiency and the reverse efficiency of said speed reducing mechanism, to be equal to or greater than the lateral acceleration obtained in response to a turning limit of said vehicle.

With respect to independent claim 3, the prior art reference either alone or in combination fails to disclose, teach, or suggest a stabilizer control apparatus comprising: a stabilizer, an electric motor and a speed reducing mechanism; control

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means for controlling said electric motor; lateral acceleration calculating means for calculating a lateral acceleration on the basis of the results detected by said vehicle speed detection means and said steering angle detection means, wherein said control means controls said electric motor on the basis of at least one of said control means reduces an output of said electric motor to perform a reducing control, in the case where the turning state has come to be out of such a range that a rolling motion of a vehicle body can be actively controlled, and sets values of the acceleration and a normal efficiency and a reverse efficiency of said speed reducing mechanism provided when said reducing control starts, to provide such a value that the lateral acceleration obtained when said reducing control starts, is multiplied by an inverse of a product of the normal efficiency and the reverse efficiency of said speed reducing mechanism, to be equal to or greater than the lateral acceleration obtained in response to a turning limit of said vehicle.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Toan C. To whose telephone number is (571) 272-6677. The examiner can normally be reached on Mon-Fri (8:00-5:00).

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paul Dickson can be reached on (571) 272-6669. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

TTo



October 14, 2007

**TO ANTO
PATENT EXAMINER**